



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 500 hours

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 41.3±0.3        |
| B                   | 26.97+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 38.1±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M22x1-6g        |

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D715K19PEL**

|                |   |                                |   |
|----------------|---|--------------------------------|---|
| A              | 08-11-2016                                  | First Release                  |   |
| ISS            | DATE  | Latest modification - by       | MOD N°  |
| Designed By:   |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                                |   |
| SCALE          |   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA             |   |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                      |                                |   |
| FORMAT         | <b>SOURIAU DRG N° 8D715K19PEL-C</b>         |                                | SHEET<br>1/2  |

|                |                        |   |   |    |   |    |   |   |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 15 | K | 19 | P | E | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |   |   | ORIENTATION : E                 |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 15                     |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 15-19          |
| PLATING :      | K = Passivated         |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 15-19) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00) | +225 (5.72) | L                   | -195 (4.95) | +113 (2.87) |
| B                                      | +130 (3.30) | +225 (5.72) | M                   | -130 (3.30) | +225 (5.72) |
| C                                      | -195 (4.95) | +113 (2.87) | N                   | -005 (1.05) | +113 (2.87) |
| D                                      | +260 (6.60) | +000 (0.00) | P                   | +065 (1.65) | +113 (2.87) |
| E                                      | +195 (4.95) | -113 (2.87) | R                   | +130 (3.30) | +000 (0.00) |
| F                                      | +130 (3.30) | -225 (5.72) | S                   | +065 (1.65) | -113 (2.87) |
| G                                      | +000 (0.00) | -225 (5.72) | T                   | -065 (1.65) | -113 (2.87) |
| H                                      | -130 (3.30) | -225 (5.72) | U                   | -130 (3.30) | +000 (0.00) |
| J                                      | -195 (4.95) | -113 (2.87) | V                   | +000 (0.00) | +000 (0.00) |
| K                                      | -260 (6.60) | +000 (0.00) |                     |             |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -19             | 19                 | 20            | I              | All              | MS20052-19 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

| Dim | Nominal       |
|-----|---------------|
| B   | 27.56+0/-0.25 |
| ØC  | 28.83+0.25/-0 |

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| FORMAT         | <b>SOURIAU DRG N° 8D715K19PEL-C</b>  |                                | SHEET<br>2/2  |